BLUE UX Engineer Internship Test

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I.   Written test

1. A JavaScript framework is a pre-written collection of code that provides a structure and reusable components to help developers build web applications more efficiently. These frameworks often include tools and libraries that abstract away common tasks and provide a foundation for developers to build upon.

    Vue.js is a JavaScript framework for building user interfaces. It builds on top of standard HTML, CSS, and JavaScript and provides a declarative and component-based programming model. It is designed to be incrementally adoptable, meaning that developers can integrate it into existing projects or use as much or as little of it as needed. Vue.js is maintained by Evan You and the open-source community.

2. In CSS, an ellipsis typically refers to the use of three dots (...) to represent the truncation of text. This is commonly used in scenarios where text overflows its container, and you want to indicate to the user that there is more content than what is currently visible. The CSS property associated with creating an ellipsis is usually text-overflow.

3. Explain animation properties below :
    a. @keyframes :
        -   @keyframes is a CSS rule that defines a set of styles for an animation sequence. It allows you to create animations by gradually changing from one set of CSS styles to another.
        -   The @keyframes rule includes the animation name and the style rules that should be applied at different points during the animation.

    b. animation-name:
        -   animation-name is a CSS property that specifies the name of the @keyframes rule to be used for the animation. It refers to the set of styles that define the animation sequence.
        -   The value of animation-name should match the name defined in the @keyframes rule.

c. animation-duration:
- animation-duration is a CSS property that sets the duration of the animation. It defines the time it takes for the animation to complete one cycle.
- The value is specified in seconds (s) or milliseconds (ms).

d. animation-iteration:
- It seems like there might be a typo in your question. If you meant animation-iteration-count, this CSS property specifies the number of times an animation cycle should be played. The default value is 1, meaning the animation plays once.

e. animation-direction:
- animation-direction is a CSS property that defines whether the animation should play in reverse on alternate cycles or not. It can take values like normal (default), reverse, alternate, or alternate-reverse.

4. Lazy loading is a technique used in web development to defer the loading of certain resources (such as images, scripts, or stylesheets) until they are actually needed. This can help improve the performance of a web page by reducing the initial load time and only loading assets when they are required, especially for content that appears below the fold or outside the initial viewport.

   In the context of JavaScript, lazy loading is often applied to dynamically load scripts or other assets after the initial page load.

5. 5 git commands :

   a. git add: This command is used to stage changes for the next commit. It tells Git that you want to include updates to a particular file or set of files in the next commit. You can use git add with specific file names or with wildcards to stage all changes

b. git commit: After staging changes with git add, the git commit command is used to record the changes to the repository. When you commit changes, you need to provide a commit message that describes the purpose of the commit. Commits are like snapshots of your project at a specific point in time.

c. git branch: This command is used to create, list, or delete branches in your Git repository. Branches allow you to work on different aspects of your project simultaneously.

d. git push: After committing changes to your local repository, you may want to share those changes with others or push them to a remote repository (like GitHub or GitLab). The git push command is used to upload local repository content to a remote repository.

e. git pull: This command is used to fetch and download content from a remote repository and immediately update the local repository to match that content.

II. Practical Test

Link : https://eskrimpistachio.github.io/Alfatih-Rizqi-Alfian_UX-Engineer-Internship-Test/